

II. SPECIFICATION AMENDMENTS

Please insert the following on page 7, line 14:

What is claimed is:

Please amend the Abstract on page 11 as follows:

(57) ABSTRACT OF THE DISCLOSURE

The invention relates to a A method and arrangement for receiving a frequency modulated signal, and especially for demodulating the signal. The invention is applicable especially in the receiver of a mobile station. One idea of the invention is to convert a radio frequency, includes mixing the frequency modulated signal directly into a low-frequency signal, and to perform the demodulation by forming by means of detecting the falling and rising edges of said low-frequency signal and forming a second signal on the basis of the edge detection, where the frequency of which the second signal is twice the frequency of the low-frequency signal, and by frequency detecting said the second signal to form a demodulated signal. By means of the invention, the advantages of the direct conversion technique, such as low power consumption, are achieved in the reception of the frequency modulated signal. The required components can be advantageously manufactured on an integrated circuit. Besides these advantages, a good quality of the detected signal is achieved.

Figure 3